



February 1, 1999

United States Environmental Protection Agency
Region 5 Code AE-17J
Air and Radiation Division
77 West Jackson Blvd
Chicago IL 60604

Ref: Halogenated Solvent Cleaner NESHAP
1998 Annual Report

Dear Sir/Madam,

Please find attached the annual report for the 1998 calendar year with regards to our facility's compliance efforts related to Halogenated Solvent Cleaners NESHAP.

In case of any question or concerns, please do not hesitate to contact me at (616) 435 2535 ext. 271 or at karthik.chandramouli@owens-ill.com

Sincerely,

Karthik Chandramouli
Process Engineer

RECEIVED

FEB 04 1999

AIR ENFORCEMENT BRANCH
U.S. EPA, REG. 5

HALOGENATED SOLVENT CLEANER NESHAP

ANNUAL REPORT

PART ONE - General Information

Person Preparing Report: Chandramouli, Karthik
(Last) (First)

Date: February 2, 1999

Company Name: Owens - Illinois, Inc.

Mailing Address: 950 Industrial Drive
Constantine MI 49042

Batch Vapor Degreaser Location: Same - As - Above

Equipment Summary:

Name: Batch Vapor Degreaser w/ Still

Manufacturer: Finishing Equipment, Inc.
3640 Kennebec Drive
St. Paul MN 55122

Degreaser Model No: XLE2-RU-SP
Degeaser Serial No: 6214

Still Model No: RS-4T
Still Serial No: 6215

HALOGENATED SOLVENT CLEANER NESHAP
ANNUAL REPORT

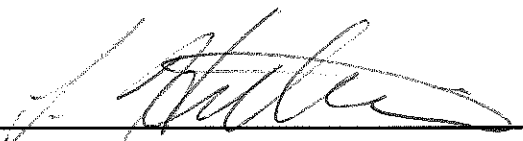
PART TWO: Information Required for Equipment

Cleaner Identification No: XLE2-RU-SP Degreaser No. 6214

Compliance Option Chosen: Control Combination or
Idling Mode Emission Limits to comply
(Degreaser Idling Test attached)

All operators of solvent cleaning machine have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the required operator test.

Previous year's (1998): 4158 lb/yr
Trichloroethylene Consumption



Signature

L.C. Hertlein
Name

Plant Manager
Title



3640 KENNEBEC DRIVE
ST. PAUL, MN 55122
(612)462-1860
FAX (612)462-8861

Degreaser Idling Test*

Company: **OWENS ILLINOIS**
Street: **950 Industrial Parl Dr.**
City: **Constantine** State: **MI** Zip: **49042**

Date: **8-8-96**

Degreaser serial no: **6214**

Degreaser model no: **XLE2-RU-SP**

Solvent type: **Trichloroethylene** lbs/gal **12.1**

Test performed by: **Dennis**

VAI: **15.58** sq.ft

Surface area where low level occurs (boil sump): **7.56** sq.ft.

Level measurements-

Initial Level **2.6875** in.

Final Level: **2.61** in Total level change: **0.078** in.

Total hours: **16**

Average loss is **Less than** the allowable **0.045** lbs/hour/sq.ft. of
vapor air interface.

Note-*Test performed by using the Inclined Liquid Level Indicator Apparatus as instructed by
the EPA test method 307